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857,968
1 SHEET

COMPLETE SPECIFICATION

This drawing is a reproduction of
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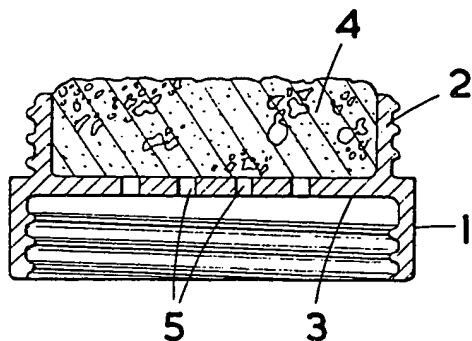


FIG. 2.

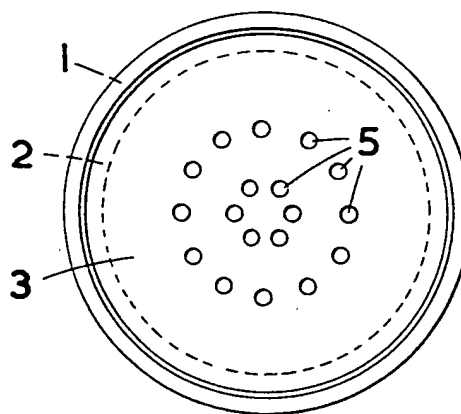
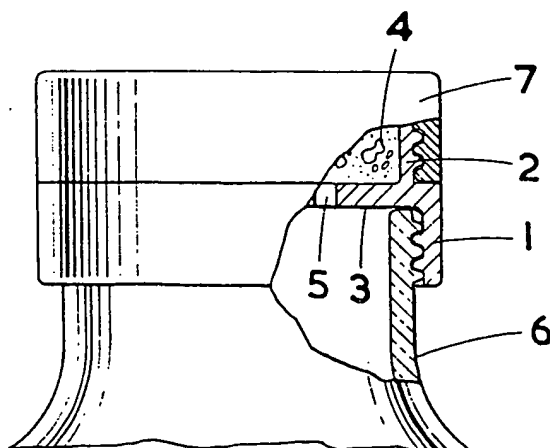


FIG. 3.



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PATENT SPECIFICATION

DRAWINGS ATTACHED



857,968

Date of filing Complete Specification Aug. 14, 1959.

Application Date Aug. 21, 1958.

No. 26915/58.

Complete Specification Published Jan. 4, 1961.

Index at acceptance:—Class 19, J.

International Classification:—A46b.

GT. BRIT
DIV. 4

COMPLETE SPECIFICATION

An Applicator-Pad Fitting for Use on Jars or like Containers

I, GEORGE EDWARD MARSHALL, a British subject, of 104, Broadmead Road, Woodford Green, Essex, do hereby declare this invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to an applicator-pad fitting for use on jars or like containers, and has for its object the provision of a device adapted to be engaged on the neck of a lid-equipped jar or other portable container having a top opening, in substitution of the lid, and which incorporates an absorbent applicator-pad which can be charged with liquid by inverting to tilting said container, said pad thus presenting a moist surface for applying a liquid-film to any required part, the said fitting being of a form to receive and retain the lid which it replaces, so that said lid will cover and protect the absorbent pad.

According to the invention an applicator-pad fitting for the purpose above said comprises a circular hollow body having an upper portion which is of smaller diameter than the lower portion thereof and communicates therewith, said lower portion being adapted to have retaining engagement on the neck of the jar or like container in substitution of the normal lid of said container, the said upper portion serving to receive and retain said lid so that said lid will now serve as a top cover for the fitting, the said upper portion of the body housing and retaining an absorbent pad having a surface exposed at the top of the fitting (on removal of the lid), the fitting having internally thereof supporting means for the said pad. It is intended for the jar or like container to be filled or partially filled with liquid before engaging the fitting thereon; inversion or tilting of the jar or the like will effect charging of the retained pad, the latter thus presenting a moist surface for the treatment of any part of article. The jar thus equipped becomes a hand-operable

device for carrying out the said treatment.

The fitting can incorporate suitable means for affording only a restricted flow of liquid to the pad, thereby to prevent flooding of same. In this respect the support for the pad may be a partition within the body of the fitting, this partition having a suitable number and arrangement of orifices or perforations for liquid flow through said partition.

The lower portion of the body is internally fashioned (or dimensioned as regards a gripping fit) in correspondence with the lid which it is to replace; the upper portion of the body is externally fashioned (or dimensioned as regards a gripping fit) in correspondence with the jar neck on to which the fitting engages. Thus there may be lower internal and upper external securing formations which are complementary to each other, or alternatively there may be plain surfaces if the body has sufficient resiliency for its frictional retention on the jar and to frictionally retain the lid. By way of example the lower and upper body portions may have internal and external screw-threads respectively of the same pitch, or complementary bayonet-catch or equivalent retaining formations.

A fitting of convenient form in accordance with the invention will now be described and is shown in the accompanying drawings, wherein:—

Figure 1 is a cross-sectional view of said fitting,

Figure 2 is an underneath plan view, and

Figure 3 is a part-sectional view of the fitting shown in position on a jar.

In the construction shown the fitting has a one-piece body, the lower portion 1 of which has the form of an internally-threaded cap. The upper portion 2 of the body, is constituted by a circular wall which stands up from the head 3 of the lower cap portion 1; the said head 3 of the lower cap portion thus is a partition serving as the base of the upper

[Price 3s. 6d.]

body-portion 2, for supporting a pad 4 contained therein, and is perforated or has a suitable number of orifices 5 at distributed positions. The pad 4 is of a depth for the upper portion of same to project above the top of the fitting. The pad 4 is of a spongy nature and is retained in place in any convenient way. For instance the pad may be secured in place by an adhesive or it may be a close frictional fit in the body portion 2. Or, if desired, it may be engaged by tongues (not shown) which project from the wall of the body-portion 2 into the space encompassed by said wall, these tongues pointing downwardly.

The external diameter of the lower body portion 1 corresponds to that of the cap which the fitting replaces, so that when said cap is engaged on the upper portion 2 of the fitting, the exterior of said cap is flush with the exterior of the lower portion 1 of the fitting. This is shown in Figure 3, wherein 6 is the jar on which the fitting is engaged and 7 is the lid which is removed from the jar 6 to enable the fitting to be substituted therefor, this lid 7 when engaged on the part 2 of the fitting seating down on to the projecting top portion of part 1 and being flush with the periphery of said part 1.

The pad 4 becomes charged by inverting the jar 6, the liquid in the latter reaching the pad via the openings 5. The pad is exposed for use by removing the lid 7.

It will be understood that the device serves as an adaptor for the converting of a conventional jar so that same can serve as a liquid-film applicator. Such an applicator is therefore readily available at low cost since it is possible to employ a jar that otherwise would be discarded as refuse. The jar equipped with the fitting can be manipulated easily and conveniently to apply a film of water or such liquid to a surface and is ready for instant use. One example of use is the wiping of a vehicle windscreen e.g. to remove dead insects and other foreign matter which has become deposited thereon. The jar retains its supply of liquid, enabling the pad to be instantly charged for use.

WHAT I CLAIM IS:—

1. An applicator-pad fitting for use on jars and like containers, comprising a circular hollow body having an upper portion which is of smaller diameter than the lower portion thereof and communicates therewith, said lower portion being adapted to have retaining engagement on the neck of the jar or like container in substitution of the normal lid of said container, the said upper portion serving to receive and retain said lid so that said lid will now serve as a top cover for the fitting, the said upper portion of the body housing and retaining an absorbent pad having a surface exposed at the top of the fitting (on removal of the lid), the fitting having internally thereof supporting means for the said pad.

2. A fitting according to Claim 1, which is constructed to afford a restricted flow of liquid from the lower body portion to the upper body portion.

3. A fitting according to Claim 2, wherein the spaces within the said body portions are separated by a partition having a plurality of openings formed therein.

4. A fitting according to any of the preceding claims, wherein the upper body portion has an external securing formation which is complementary to a jar-engaging internal securing formation of the lower body part.

5. A fitting according to Claim 4, wherein the said complementary external and internal securing formations are screw threads.

6. A jar or like container incorporating a fitting according to Claim 4 or 5, and a lid which can be engaged selectively on to the jar or upper body portion of the fitting.

7. An applicator-pad fitting for use on jars or like containers, substantially as herein described and as shown in the accompanying drawings.

KINGS PATENT AGENCY LIMITED,
By B. T. King, Director, A.I.Mech.E.,
Registered Patent Agent,
146a, Queen Victoria Street, London, E.C.4,
Agents for the Applicant.

PROVISIONAL SPECIFICATION

An Applicator-Pad Fitting for Use on Jars or like Containers

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lid, and which incorporates an absorbent application pad which can be charged with liquid by inverting or tilting said container, said pad thus presenting a moist surface for applying a liquid-film to any required part, the said fitting being of a form to receive and retain the lid which it replaces, so that said lid will cover and protect the absorbent pad.

According to the invention an applicator-pad fitting for the purpose above said com-

- prises a circular hollow body having an upper portion which is of smaller diameter than the lower portion thereof, said lower portion being adapted to have retaining engagement on the neck of the jar or like container in substitution of the normal lid of said container, the said upper portion serving to receive and retain said lid so that said lid now serves as a top cover for the fitting, the said upper portion of the body holding therein an absorbent pad having a surface exposed at the top of the fitting (on removal of the lid), the fitting having internally thereof supporting means for the said pad.
- It is intended for the jar or like container to be filled or partially filled with liquid before engaging the fitting thereon; inversion or tilting of the jar or the like will effect charging of the pad, the latter thus presenting a moist surface for the treatment of any part or article. The jar thus equipped becomes a hand-operable device for carrying out the said treatment.
- The fitting can incorporate suitable means for affording only a restricted flow of liquid to the pad, thereby to prevent flooding of same. In this respect the support for the pad may be a partition within the body of the fitting, this partition having a suitable number and arrangement of orifices or perforations for liquid flow through said partition.
- The lower portions of the body is fashioned internally in correspondence with the lid which it is to replace; the upper portion of the body is fashioned externally in correspondence with the jar neck on to which the fitting engages. Thus the said lower internal formation and upper external formation are complementary to each other. By way of example these formations may be internal and external screw-threads respectively of the same pitch, or complementary bayonet-catch or equivalent retaining formations.
- In an example of construction the fitting has a one-piece body, the lower portion of which has the form of an internally-threaded cap. The upper portion of the body, is constituted by a circular wall which stands up from the head of the lower cap portion; the said head of the lower cap portion thus is a partition serving on the base of the upper body-portion, for supporting the pad contained therein, and is perforated or has a suitable number of orifices at distributed positions for the purpose aforesaid.
- The pad is of a spongy nature and is retained in place by tongues which project from the wall of the upper body-portions into the space encompassed by said wall, these tongues pointing down towards the perforated partition.
- Preferably the external diameter of the lower portion of the body correspond to that of the cap which the fitting replaces, so that when said cap is in position on the top of the fitting, the exterior of said cap is flush with the exterior of that portion of the fitting which is below the cap.
- It will be understood that the device serves as an adapter for the converting of a conventional jar so that same can serve as a liquid-film applicator. Such an applicator is therefore readily available at low cost since it is possible to employ a jar that otherwise would be discarded as refuse. The jar equipped with the fitting can be manipulated easily and conveniently to apply a film of water or such liquid to a surface and is ready for instant use. One example of use is the wiping of a vehicle windscreen e.g., to remove dead insect and other foreign matter which has become deposited thereon. The jar retains its supply of liquid, enabling the pad to be instantly changed for use.
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